

**PATENT PROSECUTION  
LEGAL SERVICES**



THE LAW OFFICES OF  
**LYON & HARR**  
A LIMITED LIABILITY PARTNERSHIP

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## 1.0 **Introduction**

Members of **LYON & HARR, LLP** have prepared and prosecuted complex patent applications for corporate clients over many years. Feedback from inventors indicates that they prefer to work with our attorneys over other firms because we are more technically knowledgeable and easy to work with. There are several reasons for this:

- Our attorneys strive to write the highest quality patents, and try to minimize the time and effort that an in-house legal team and the inventors must spend to get these applications on file and issued.
- Our ability to handle the “tough” cases involving complex algorithm-based technologies has been proven over many years.
- The attorneys of **LYON & HARR, LLP** have an excellent working relationship with our corporate clients, their staff, foreign associates, researchers and outside inventors. Inventors often ask for us by name over other counsel because we make the patenting experience an easy and pleasant one.
- Our attorneys have extensive technical education and experience.
  - Our attorneys have had years of computer, electronics, networking, and other engineering work experience prior to becoming patent attorneys.
  - Our attorneys have extensive experience in writing and prosecuting patents. In fact, all of our attorneys have ten or more years of patent prosecution experience.
- **LYON & HARR, LLP** is a small, woman-owned business that thrives in a challenging environment of changing and evolving technologies, and we are ready, willing and able to adapt to a client’s changing requirements and needs.
- ***We are the Outside Counsel that “You don’t have to worry about.”***

## **2.0 Our Expertise**

**LYON & HARR, LLP** attorneys have written and prosecuted patent applications in a variety of technological fields, and we have provided services to many major corporations. Most notably, we have acted as outside counsel for Microsoft's research department since 1998. We in particular consider ourselves to be experts at preparing and prosecuting patent applications for complex algorithm-based computer-implemented inventions.

Some of the other high-tech companies that members of **LYON & HARR, LLP** have prepared and prosecuted patents for include: Northrop Grumman, Raytheon E-Systems, Applied Materials, California Institute of Technology (Caltech), Jet Propulsion Laboratory (JPL), Lockheed-Calcomp, the National Aeronautics and Space Administration (NASA), and XIRCOM, among others.

A few of the technologies **LYON & HARR, LLP** has written patents in include: computer software; computer hardware and architecture; electronics; electro-optics; electro-mechanics; material sciences; satellite communications; robotics; semiconductor devices and fabrication; medical devices; infrared communications systems; signal processing, and image and audio recording and processing.

## **3.0 Our Commitment**

We at **LYON & HARR, LLP** believe a major part of our success is owed to the rapport we establish with our client's legal team and inventors. It is our goal to minimize the time and effort that a company must invest to get applications on file and issued. Inventors often ask for us by name over other outside counsel because we make the patenting experience an easy and pleasant one.

We at **LYON & HARR, LLP** also strive to be timely. For example, it is our policy to have draft applications in the hands of the inventors for review at least one month in advanced of the desired filing date. In addition, we very infrequently exceed the shortened statutory period set for responses to Office Actions.

**LYON & HARR, LLP** attorneys take great pride in writing the high-quality patents in a timely manner.

**LYON & HARR, LLP** considers all of our projects and assignments to be a team effort, and we act together to provide the best possible result.

We at **LYON & HARR, LLP** can readily adapt to your procedures and requirements, and are able to quickly implement changes.

**LYON & HARR, LLP** is comfortable working on fixed fee or an hourly basis, but has offered fixed fee services for many years.

## 4.0 Team Composition and Experience

Our legal team consists of three registered patent attorneys, one intellectual property attorney and one technical consultant. These team members include:

### ❖ **Richard T. Lyon (Partner/Registered Patent Attorney)**



Richard Lyon is a partner of Lyon & Harr, LLP and has been practicing patent and trademark law for 25 years. He is a registered patent attorney, being registered to practice before the U.S. Patent and Trademark Office since 1992. He is also admitted to the California and Washington D.C. Bars, as well as the federal U.S. Central and Southern District Courts of California.

Richard has written and prosecuted hundreds of patent applications for major corporations and universities such as Microsoft, Applied Materials, NASA, the Jet Propulsion Laboratory, Northrop Grumman, Cal Tech, the University of California, Raytheon, Lockheed-Calcomp. Richard also specializes in providing patent and trademark services to local clients and businesses.

Rick's patent expertise extends to the fields of computer software, signal processing; video and audio coding; audio source localization and beamforming; data analysis; software UI; browser components; object recognition, classification, and extraction; pattern identification and tracking; packet-based communications and media streaming; machine translation systems; RFID-based applications; data compression; video conferencing; face tracking and recognition; image correction; texture synthesis; data mining; cloud and web-based computing; RF and WiFi technologies; speech recognition technologies; transliteration technologies, computer hardware and architecture; electronics; electro-optics; electro-mechanics; material sciences; satellite communications; robotics; semiconductor devices and fabrication; medical devices; infrared communications systems. Rick has also assisted clients in filing and prosecuting over 100 trademark applications for a variety of business in Ventura and Santa Barbara counties.

Richard hails from Kansas where he obtained an engineering degree from the University of Kansas before moving to California in 1982. He worked for 10 years as an electronics engineer for the Department of Defense where he lead a project team tasked with the analysis and testing of various naval missile systems. He was valedictorian of his law school class at Ventura and Santa Barbara College of Law in 1992.

Richard prides himself on a strong work ethic and honesty in helping his clients obtain intellectual property protection in a cost-effective manner.

❖ **Katrina A. (Harr) Lyon (Partner/Registered Patent Attorney)**



Katrina Lyon is a partner of Lyon & Harr, LLP and has been practicing patent and trademark law for approximately 20 years. Katrina has written and prosecuted hundreds of U.S. patent applications for major corporations, small businesses and local clients and has worked with patent attorneys all over the world to obtain international patent protection for her clients. She has been a patent attorney registered to practice before the U.S. Patent and Trademark Office since 1998 and is also admitted to the California Bar and the federal U.S. Central and Southern District Courts of California.

Katrina has expertise in various fields of computer software to include cloud and web-based computing, visual and audio human interactive proof (HIP) technologies and other security features, cryptography, RF and WiFi technologies, speech recognition, translation and transliteration technologies, audio source localization and beam forming, image processing, computer graphics, audio recording and processing, data analysis, search-related technologies, user interfaces, object recognition and media streaming. She also has prepared and prosecuted many applications for various mechanical devices and has expertise in electronics, electro-optics, electro-mechanics, material sciences, medical devices, and infrared, RF and WiFi communication systems.

Katrina grew up attending Department of Defense (DOD) schools overseas in Germany and is fluent in German. She moved to Michigan after high school where she obtained a mechanical engineering degree from Michigan State University before moving to California. She worked for 17 years as a mechanical and electronics engineer for the Navy where she programmed radar and missile simulations and directed land-based and shipboard system and battle group tests for the operational evaluation of high profile Navy systems. She obtained a Master of Science degree from the University of Southern California in Systems Management in 1989 with specialty options in Research and Development and Systems Technology, graduating in the top 4% of her class. She was valedictorian of her law school class at the Ventura and Santa Barbara College of Law in 1996.

In her free time Katrina enjoys xeriscaping her California garden, taking care of her family and dog, sharing a laugh with friends, home remodeling, and fixing broken things.

## ❖ Mark A. Watson (Senior Patent Attorney)



Mark Watson is a senior attorney of Lyon & Harr, LLP and has been practicing patent and trademark law for 18 years. Mark has been a registered patent attorney with the U.S. Patent and Trademark Office since 1997 and was admitted to the California Bar in 1997. Mark also regularly works with attorneys in various countries to assist in shepherding international patent applications through the patent offices in Europe, China, and elsewhere.

Mark has written and prosecuted hundreds of patent applications for major corporations, small businesses and local clients. To date, approximately 200 of those patent applications have been issued as U.S. patents, with many more still pending at the U.S. Patent and Trademark Office. The subject matter of patent applications written and prosecuted by Mark span a wide range of technologies. Some of these technologies include virtual reality (VR) and augmented reality (AR) hardware and software; machine learning and classification systems; communications software; image processing; computer graphics; audio recording and processing; data analysis; query and search-related technologies; software UI; browser components; object recognition; pattern identification and tracking; packet-based communications and media streaming; P2P-based applications; RF and WiFi technologies; video-based security; speech recognition technologies; natural user interface hardware and software for interacting with devices via various combinations of voice, touch and gesture-based commands; audio source localization and beamforming; computer hardware and architecture; electronics; electro-optics; electro-mechanics; robotics; medical devices; infrared communications systems; mechanical devices; and many others.

Mark was born and raised in Southern California. Mark obtained his engineering degree from California State University, Northridge in 1987. He then worked as a mechanical engineer for the U.S. Navy for 13 years. During his time as a civilian engineer for the Navy, Mark served as Test Director and Project Engineer for operational and survivability testing of multiple DOD and NATO weapons systems in various simulated environments, land-based environments and shipboard environments. In addition, during this time, Mark coded several data collection and analysis software programs for use by various U.S. Navy testing facilities for use in evaluating weapon system survivability.

Whenever he isn't busy working with patent applications, Mark enjoys spending time with his family and friends, cooking, building furniture, reading science fiction, and working to remodel his house.



## ❖ Ashley E. Steinbach (Intellectual Property Attorney)



Ashley Steinbach is an intellectual property attorney at Lyon & Harr, LLP and has been practicing trademark law since he was admitted to the California Bar in 2003.

During his career Ashley has counseled clients on trademark matters and filed and prosecuted trademark applications for clients including small businesses and startups. Ashley has also worked on appeals before the Trademark Trial and Appeal Board defending the right of federal trademark registration. In addition, Ashley has worked on both sides of the coin in claims filed under the Uniform Domain-Name Dispute-Resolution Policy, both defending against and asserting claims under the UDRP.

Ashley has lived most of his life on the land mass between San Francisco and San Diego, with a brief stint in Denver, Colorado. He obtained a B.S. in Cognitive Science with a Specialization in Neuroscience from the University of San Diego before heading up to the University of San Francisco School of Law to obtain his J.D.

In his free time Ashley enjoys photography, hiking and home brewing.

## ❖ Steve Ricca (Technical Consultant)



Stephen Ricca performs technical analysis, legal research, and technical writing in support of the filing and prosecution of patent applications, and the infringement analysis of issued patents. Since joining Lyon & Harr, LLP in 2005 Stephen has been involved with hundreds of patent applications spanning a diverse range of technical fields including cloud and mobile computing, Internet search methods, audio/image/video processing, signal processing, online ad serving, big data analytics, electronic messaging, geolocation, telemetry data collection, video gaming, human-computer interfaces, data communication methods, computer hardware, semiconductor devices and fabrication methods, and various mechanical devices.

Prior to joining Lyon & Harr in 2005, Stephen had 23 years of proven achievement in engineering and technology development resulting in the high volume production and customer deployment of almost 200 complex hardware and software products spanning a broad range of markets including: telecommunications and data networking; computer systems and peripherals ranging from desktop systems to high-end workstations and servers; and computer and DSP-based music instruments and audio recording systems.

During this time Stephen held increasingly responsible engineering positions with companies such as AT&T Bell Labs, Rockwell International, Osicom Technologies, Ascend Communications, Lucent Technologies, and Line 6. These positions included various executive leadership roles such as VP of Engineering, Senior VP of Engineering and IT, and CTO.

Stephen holds a Master's degree in Electrical Engineering from Cornell University and Bachelor's degrees in both Electrical Engineering and Music from Rutgers University.

## **5.0 Summary**

We would like to offer our high-quality patent services to help grow and protect your intellectual property portfolio. More information about us is available on our web site [www.cuttingedgepatents.com](http://www.cuttingedgepatents.com) . I also invite you to search the USPTO's database for patents having Lyon & Harr, LLP as the attorneys of record (using the advanced search, type: lrep/(Lyon and Harr)).

To learn more about our services, please either email Richard Lyon at [Rick@CuttingEdgePatents.com](mailto:Rick@CuttingEdgePatents.com), or call us at (805) 278-8855 and ask to speak with Richard Lyon.